

METHOD AND APPARATUS FOR DECODING FORWARD ERROR CORRECTION CODES

ABSTRACT OF THE DISCLOSURE

A method for decoding information received at a network device may include a first decoding process which applies a first algorithm iteratively until a stopping criterion is reached and a second decoding process which may flip a logic state of one or more bits. In one implementation using low density parity check (LDPC) codewords, bits may be flipped after evaluating check nodes having the lowest metrics and/or assessing the parity relationships of bit nodes and/or edges associated with those check nodes. Devices and systems for decoding are also disclosed as well as various other embodiments.